PATENT COOPERATION TREATY

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NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

FRAUNHOFER CRCG, INC. et al

From the INTERNATIONAL BUREAU

To:

NELSON, Gordon, E. 57 Central St. P.O. Box 782 Rowley, MA 01969 United States of America

Date of mailing (day/month/year) 23 January 2003 (23.01.03)	
Applicant's or agent's file reference fraunh01.014	IMPORTANT NOTIFICATION
nternational application No.	International filing date (day/month/year)
PCT/US00/13117	12 May 2000 (12.05.00)
nternational publication date (day/month/year)	Priority date (day/month/year)
16 November 2000 (16.11.00)	12 May 1999 (12.05.99)

- 1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- 2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- 3. An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- 4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date	Priority application No.	Country or regional Office or PCT receiving Office	Date of receipt of priority document
12 May 1999 (12.05.99)	60/133,840	US	21 Octo 2002 (21.10.02)
12 May 1999 (12.05.99)	60/133,848	US	29 June 2000 (29.06.00)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Céline Faust (Fax 338-8995)

Telephone No. (41-22) 338 9729

Facsimile No. (41-22) 338-9999

TENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)
28 February 2001 (28.02.01)

in its capacity as elected Office

International application No.
PCT/US00/13117
International filing date (day/month/year)

12 May 2000 (12.05.00)

fraunh01.014

Priority date (day/month/year)
12 May 1999 (12.05.99)

Applicant's or agent's file reference

Applicant

LUO, Chenghui et al

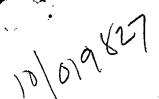
1.	The designated Office is hereby notified of its election made:				
	X in the demand filed with the International Preliminary Examining Authority on:				
	09 December 2000 (09.12.00)				
	in a notice effecting later election filed with the International Bureau on:				
2.	The election X was				
<u>د.</u>	was not				
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).				

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer**

Claudio Borton

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35







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INTERNATIONAL PRELIMINARY EXAMINATION REPORTING

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(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference FRAUNH01.014	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/	month/year)	Priority date (day/month/year)	
PCT/US00/13117	12 May 2000 (12.05.2000)		12 May 1999 (12.05.1999)	
International Patent Classification (IPC)		С		
IPC(7): G06K 9/00 and US C1.: 382/100	o			
Applicant				
FRAUNHOFER CRCG, INC.				
Examining Authority and	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.			
2. This REPORT consists of	a total of sheets, includi	ng this cover she	et.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.				
3. This report contains indica	ations relating to the following	ng items:		
I Basis of the rep	ort			
II Priority				
	ent of report with regard to	novelty, inventive	e step and industrial applicability	
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited				
VII Certain defects	VII Certain defects in the international application			
VIII Certain observations on the international application				
	In	ate of completion	of this report	
Date of submission of the demand		ate of completion		
09 December 2000 (09.12.2000)	17	17 December 2001 (17 12.2001)		
Name and mailing address of the IPEA/US		uthorized office	() () ()	
Commissioner of Patents and Trademarks Box PCT Westington D. C. 20021		amelia Au	arim A. WWV	
Washington, D.C. 20231 Facsimile No. (703)305-3230		elephone No. (703	305-3900	

Form PCT/IPEA/409 (cover sheet)(July 1998)



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

		_)7.
International	application	No

PCT/US00/13117

I.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-28 as originally filed			
		pages NONE, filed with the demand pages NONE, filed with the letter of			
	\square				
		the claims: pages 29-32 , as originally filed			
		pages NONE , as amended (together with any statement) under Article 19			
		pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
	\bowtie	the drawings:			
		pages 1-11, as originally filed pages NONE, filed with the demand			
		pages NONE , filed with the letter of			
		the sequence listing part of the description:			
		pages NONE , as originally filed			
		pages NONE , filed with the demand			
2	337:41	pages NONE , filed with the letter of			
		regard to the language, all the elements marked above were available or furnished to this Authority in the page in which the international application was filed, unless otherwise indicated under this item.			
		e elements were available or furnished to this Authority in the following language which is:			
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
		the language of publication of the international application (under Rule 48.3(b)).			
		the language of the translation furnished for the purposes of international preliminary examination (under Rules			
		55.2 and/or 55.3).			
		n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:			
		contained in the international application in printed form.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority in written form.			
		furnished subsequently to this Authority in computer readable form.			
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the			
		international application as filed has been furnished.			
		The statement that the information recorded in computer readable form is identical to the written sequence listing			
		has been furnished.			
4.	\Box	The amendments have resulted in the cancellation of:			
		the description, pages NONE			
		the claims, Nos. NONE			
		the drawings, sheets/fig NONE			
5	\Box	This report has been established as if (some of) the amendments had not been made, since they have been considered to go			
٥.	_	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
	* Replacement sheets which have been furnished to the receiving Office in response 10 an invitation under Article 14 are referred to in				
	this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
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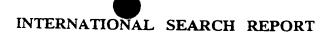
Form PCT/IPEA/409 (Box I) (July 1998)



International application No. PCT/US00/13117

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. STATEMENT			
Novelty (N)	Claims	1-28	YES
		NONE	NO NO
Inventive Step (IS)	Claims		YES
	Claims	NONE	NO
Industrial Applicability (IA)	Claims	1-28	YES
in the second se		NONE	NO
CITATIONS AND EXPLANATIONS Claims 1-28 meet the criteria set out in PCT Article and inventive features as claimed for the reasons ass NEW CITATIONS	erted in Appli	use the prior art does not teac cant's arguments and in the pr	h or fairly suggest Applicant's novel ior written opinion.
NONE			• .
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Form PCT/IPEA/409 (Box V) (July 1998)



International application No. PCT/US00/13117

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :G 06 K 9/00				
US CL	US CL : 382/100			
	to International Patent Classification (IPC) or to bot LDS SEARCHED	h national classification and IPC		
	documentation searched (classification system follow	and has also as a		
U.S. :	382/100; 380/54	red by classification symbols)		
_				
Documenta	tion searched other than minimum documentation to t	he extent that such documents are included	in the fields searched	
Electronic	data base consulted during the international search (name of data base and whom		
	n-line Search terms: watermark, executable code	or case and, where practicable	, search terms used)	
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
X	US 5,745,569 A (MOSKOWITZ et a	l) 28 April 1998, col. 5, lines	1, 17, 20, 21	
 Y	40-55, col. 6, lines 11-67			
I 			2-7	
A			8-16, 18, 19, 23- 27	
Y	US 5,613,004 A (COOPERMAN et al 10-15, col. 8, lines 1-19) 18 March 1997, col. 4, lines	2-7	
Furth	er documents are listed in the continuation of Box C	See patent family annex.		
"A" doc	cetal categories of cited documents: cument defining the general state of the art which is not considered	"T" later document published after the inter date and not in conflict with the applit the principle or theory underlying the	ation but cited to understand	
	be of particular relevance lier document published on or after the international filing date	"X" document of particular relevance: the	claimed invention cannot be	
'L' doc	nument which may throw doubts on priority claim(s) or which is do to establish the publication date of another citation or other	when the document is taken alone	ed to involve an inventive step	
spe	cial reason (as specified) cument referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	step when the document is documents, such combination	
P* doc	nument published prior to the international filing date but later than priority date claimed	*&* document member of the same patent (
Date of the a	actual completion of the international search	Date of mailing of the international sear	ch report	
OI SEPTE	MBER 2000	0 4 OCT 20 00		
Name and m Commission	nailing address of the ISA/US ner of Patents and Trademarks	Authorized officer		
Box PCT				
Facsimile No	o. (703) 305-3230	Telephone No. (703) 308-6604		

Form PCT/ISA/210 (second sheet) (July 1998)*